

FSM 7300 - BUILDINGS AND OTHER STRUCTURES
R-6 SUPPLEMENT 7300-95-1
EFFECTIVE 6/29/95

CHAPTER 7310 - BUILDINGS AND RELATED FACILITIES

7310.43 - Forest Supervisors

1. Forest Supervisors are delegated authority to approve Forest Facility Master Plans and development plans for individual administrative sites.

2. Forest Supervisors shall ensure that Regional Office Facilities Technical Specialists are consulted during the development of the prospectus for all offices, office additions, and other public contact buildings.

3. Forest Engineers are delegated authority to approve all construction plans and specifications, given the following conditions:

a. "Large or Complex" projects are designed and signed by a Professional Architect, Mechanical or Electrical Engineer, or applicable RO Technical Specialist.

b. An independent Professional Architect, Mechanical, or Electrical Engineer, or applicable RO Technical Specialist reviews and signs the plans for "Large or Complex" projects.

c. Projects not meeting the definition of "Large or Complex" are designed and signed by a "qualified individual" and are reviewed and signed by an "independent qualified individual". Forest Engineers are responsible for the evaluation, determination, and selection of "qualified individuals."

4. "Large or Complex" projects, as used above, are defined as the following:

a. ARCHITECTURAL

- Category 1 - Office, VIS, or other public contact buildings.

- Category 2 - Mixed occupancy Uniform Building Code (UBC), multi- or single-story with greater than either a 12' plate height or 1500 sq. ft.

- Category 3 - All buildings - subject to extreme weather or structural conditions; where siting conditions create unusual settlement or slide potential, such as soil bearing pressure less than 2,000 psf; or areas within buildings classified as Hazardous, or located in seismic zone 3 (UBC).

- Category 4 - Single occupancy (UBC), single-story buildings with greater than either a 12' plate height or 1500 sq. ft.

b. MECHANICAL

- Category 1 - Heating Systems - Central, forced-air heating systems with capacities greater than 36,000 BTU/hr.
- Category 2 - Refrigeration systems - capacities greater than 3 tons.
- Category 3 - Active Solar Systems - water heating systems with or without intermediate fluids; space heating and cooling; or process heat generation.
- Category 4 - Reforestation Mechanical Systems - refrigeration, humidification or dehumidification.
- Category 5 - Electric Power Generation Systems - custom-designed fuel piping or heat rejection systems.
- Category 6 - Materials handling systems - pneumatic or belt conveyors.
- Category 7 - Hazardous Fluid Systems - removal/exhaust of hazardous or nuisance liquids or gases; filtration and/or cleaning systems for hazardous or nuisance liquids or gases; flammable or combustible liquids storage and/or dispensing systems.
- Category 8 - Fire Protection Systems - fire extinguishing or suppression systems other than portable fire extinguishers.

c. ELECTRICAL

- Category 1 - Electromechanical, Electronic, and Computer based Process Control and Monitoring Systems, such as nursery irrigation, water supply and treatment, sewage treatment, silvicultural refrigeration systems and other special purpose control systems.
- Category 2 - Hazardous Areas (class 1 explosion division I, II, III) as defined by the NEC and NESC which involve flammable, toxic, or explosive material being stored or handled, such as fuel storage and dispensing, paint storage and spray systems, sewerage pump stations, dust explosion hazards.
- Category 3 - Electrical Service Requirements over 225 amperes or 3-phase power design for each project or structure.
- Category 4 - Custom designed primary and standby power generation systems and equipment.
- Category 5 - Control systems for fire extinguishing, suppression and alarm systems; burglar alarm and detection systems.
- Category 6 - Electrical systems for material handling systems, and hazardous fluid removal systems.

- Category 7 - Power transmission and distribution systems over 600 volts.

5. The term "independent," as used above, is defined as not having been involved with the design being reviewed.

7313.1 - Leases. Forest Supervisors are delegated the responsibility to assure that value analysis are completed on all proposed leases of facilities, which are estimated to cost \$100,000 or more per year. A regional level VA study (FSM 1340.3) shall be completed prior to leasing action.

Forest level VA studies for proposed leases of facilities which are estimated to cost less than \$100,000 per year are encouraged but not required.